Coinbase Blockchain Study

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01

Business Background

History Of Coinbase



Coinbase become involved with blockchain



- Founded: 2012
- Location: Registered in Delaware, no physical headquarters
- Nature: Currently, the largest U.S. crypto financial services provider.
- Listing: On April 14, 2021, Coinbase went public via DPO on NASDAQ as the first crypto stock, with a trading-focused business model and subscriptions/services as supplementary.
- Number of customers: As of November 10, 2021, Coinbase had 73 million users, with 7.4 million monthly active users.
- Platform currency: 80% bitcoin and ethereum.
- Technology: Integration of 15 blockchain protocols, supporting over 90 cryptocurrencies for custody or trading

Confounder and Diverse Team



Brian Armstrong
Co-Founder & CEO

Age: 40

- Graduate from Rice University
- Was developer for IBM; Consultant at Deloitte; Software Engineer at Airbnb









Emilie Choi
President & COO

Age: 42

- Graduate from John
 Hopkins and Wharton
 Business School
- Was Vice President of
 Linkedin and
 Business Strategy
 Director of Warner
 Bros

Alesia Haas

Age: 44

Graduate from
CPSU-San Luis
Obispo
Was CFO of
Onewest Bank and
Sculptor Capital
Management

Manish Gupta

EVP of Engineering

Age: unknown

- Graduate from UIUC
- Was VP of Engineering at Google and Lyft

Paul Grewal

CIO

Age: 51

- Graduate from MIT & University of Chicago
 Was Vice President
- at Facebook;
 Magistrate Judge at
 U.S District Court

Coinbase Core Analysis Framework

Core Competence

- Cryptocurrency
 Transactions &
 Subscriptions Services
- Retail/Institutional Customer Transactions
- Building Encrypted Ecosystem

Core Drivers

(Important Influencing Factors)

- Total Scale of Cryptocurrency Transactions
- Cryptocurrency Liquidity & Variety
- Coinbase Market Share
- Trust & Convenience

Company Growth & Market Opportunity

Company Growth

- Increase Crypto Variety
- Diversify business area
 - Trading sector → subscription service

Market Opportunity

- Acceptance of Crypto ↑
- Correlations between encrypted assets and traditional assets ↑

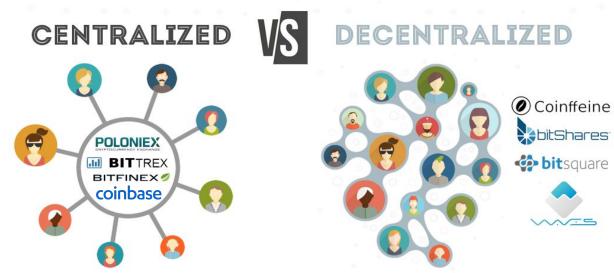
Blockchain is central to Coinbase's business

The company's core services revolve around **trading**, **storing**, **and managing digital assets**, which are all based on blockchain technology.

Coinbase's success and growth are closely tied to the **development and adoption of cryptocurrencies and blockchain technology**.

The platform **primarily deals with cryptocurrencies** like **Bitcoin and Ethereum**, both of which rely on blockchain.

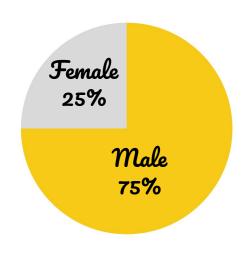
Additionally, the **integration of multiple blockchain protocols and support for a wide range of cryptocurrencies** further demonstrate the centrality of blockchain to Coinbase's business model.



User Demographic Information







Coinbase is the largest crypto exchange in the US

Coinbase has 103 million verified users & 14,500 institutional client as of 2022

Coinbase demographics show that 75% of its users are male (32.64% are 25 - 34 years old)



Accounting and Finance

Balance sheet

Total assets

Coinbase Global, Inc. Consolidated Balance Sheets (In thousands, except par value data)

	(In thousands, except par value data)					
			December 31,			
	The Crypto assets	# #	2022		2021	
Assets						
Current assets:	decreases over year					
Cash and cash equivalents	which would have	\$	4,425,021	\$	7,123,478	
Restricted cash	negative effect on		25,873		30,951	
Customer custodial funds	the platform net		5,041,119		10,617,552	
Customer crypto assets ⁽¹⁾	worth and		75,413,188		Ξ.	
USDC	shareholder equity.		861,149		100,096	
Accounts and loans receivable, net of allowance	Silarenoider equity.		404,376		304,706	
Income tax receivable			60,441		61,231	
Prepaid expenses and other current assets			217,048		135,849	
Total current assets	Holding of cryptocurrencies: value of		86,448,215		18,373,863	
Crypto assets held	cryptocurrencies 1 — Crypto	4	424,393		988,193	
Lease right-of-use assets	Asset 1 ——total assets 1 on the balance		69,357		98,385	
Property and equipment, net	sheet		171,853		59,230	
Goodwill			1,073,906		625,758	
Intangible assets, net			135,429		176,689	
Other non-current assets			1,401,720		952,307	

89,724,873 \$

21,274,425

Balance sheet

	Coinbase is responsible for		
Liabilities, Convertible Preferred Stock and Stockholders' Equity	safeguarding crypto-assets of		
Current liabilities:	its customers, thus should		
Customer custodial cash liabilities	record a liability on its balance	4,829,587	\$ 10,480,612
Customer crypto liabilities ⁽²⁾	sheet for its obligation to do	75,413,188	Ξ.
Accounts payable	so	56,043	39,833
Accrued expenses and other current liabilities		331,236	439,559
Crypto asset borrowings		151,505	426,665
Lease liabilities, current	Decreesian amoute esset become view	33,734	32,366
Total current liabilities	Decreasing crypto asset borrowing	80,815,293	11,419,035
Lease liabilities, non-current	reflect reduce in platform's overall	42,044	74,078
Long-term debt	debt load and improvement on	3,393,448	3,384,795
Other non-current liabilities	financial flexibility.	19,531	14,828
Total liabilities		84,270,316	14,892,736
Commitments and contingencies (Note 21)	Increases as the value of		
Stockholders' equity:	cryptocurrencies increases		
Class A common stock, \$0.00001 par value; 10,000,000 shares authorized a	t December 31, 2022 and 2021; 182,796 and 168,807 shares issued and outstanding at December 31, 2022		
and 2021, respectively		2	2
Class B common stock, \$0.00001 par value; 500,000 shares authorized at D	December 31, 2022 and 2021; 48,070 and 48,310 shares issued and outstanding at December 31, 2022 and		
2021, respectively		Ξ.	Ξ
Additional paid-in capital		3,767,686	2,034,658

Income statement

	Coinbase earn revenue primarily through fees				
	earned for the transaction			Year Ended December 31,	
	processed through the		2022	2021	2020
	platform			(in thousands)	
Revenue:					
Net revenue	value of	\$	3,148,815	\$ 7,354,753	\$ 1,141,167
Other revenue	cryptocurrencies 1 ——cost		45,393	484,691	136,314
Total revenue	-	7.	3,194,208	7,839,444	1,277,481
Operating expenses:	related to the purchase of		*		
Transaction expense	cryptocurrencies		629,880	1,267,924	135,514
Technology and development			2,326,354	1,291,561	271,732
Sales and marketing			510,089	663,689	56,782
General and administrative			1,600,586	909,392	279,880
Restructuring			40,703	, ,	_
Other operating expense, net		<u></u>	796,804	630,308	124,622
Total operating expenses	The value of crypto	may affe	ct the 04,416	4,762,874	868,530
Operating (loss) income	overall market so as		710 208	3,076,570	408,951
Interest expense			00.004	29,160	_
Other expense (income), net	company's operating	g cost inc	arectly.	20,463	(248)
(Loss) income before income taxes	(ex: company reduc	e operati	ng costs	3,026,947	409,199
(Benefit from) provision for income taxes	to maintain profit wl	nen mark	(439,633)	(597,173)	86,882
Net (loss) income	experiences a down	turn.	(2,624,949)	\$ 3,624,120	\$ 322,317

Statement of Cash Flows

		Year Ended December 31,			
		2022	2021	2020	
ash flows from operating activities					
Net (loss) income	\$	(2,624,949) \$	3,624,120 \$	322,317	
Adjustments to reconcile net (loss) income to net cash (used in) provided by operating ac	ctivities:		<u></u>		
Depreciation and amortization		154,069	63,651	30,962	
Crypto asset impairment expense	the value of	757,257	329,152	8,35	
Investment impairment expense		101,445			
Other impairment expense	cryptocurrencies	26,518	500		
Stock-based compensation expense	airment expenses	1,565,823	820,685	70,548	
Provision for transaction losses and doubtful accounts		(13,051)	22,390	(2,966	
(Gain) loss on disposal of property and equipment		(58)	1,425	355	
Deferred income taxes	Crypto	(468,035)	(558,329)	358 474	
Unrealized loss (gain) on foreign exchange	impairment loss	28,516	(<mark>14,944</mark>)	1,057	
Non-cash lease expense	_	31,123	34,542	25,012	
Change in fair value of contingent consideration	could be result	(8,312)	(924)	3,281	
Realized gain on crypto assets	of Coinbase's	(36,666)	(178,234)	(23,682	
Crypto assets received as revenue		(470,591)	(1,015,920)	(94,158	
Crypto asset payments for expenses	loss on	383,221	815,783	40,205	
Fair value loss (gain) on derivatives	cryptocurrency	7,410	(32,056)	5,254	
Amortization of debt discount and issuance costs	investment	9,253	5,031		
Loss (gain) on investments	investinent	3,056	(20,138)	5,254 	
Changes in operating assets and liabilities:					
USDC		(848,138)	(<mark>77,471</mark>)	37,936	
Accounts and loans receivable		(141,023)	28,511	(117,167	
Deposits in transit		28,952	(36,527)	(39,989	
Income taxes, net		1,906	(62,145)	86,791	

Beta

Beta=-0.007891747

The company's stock price is less volatile than the market. On average, a change of 1% in the market index would result in a change of 0.007891747% in the company's stock price, on average. This suggests that the company is less sensitive to broad market movements and may be considered a defensive stock.

		/		D		- Fyes	ss Dotum		
Regression Statistics				K	eturn	EXCE	ess Return	1	
Multiple R	0.058735112		Alpha		-0.00286		-0.0134	3	
R Square	0.003449813		Beta		-0.00770		-0.0078	9	
Adjusted R Square	-0.001387809								
Standard Error	0.068947212								
Observations	208								
ANOVA									
	df	SS	MS	F	Significano	e F			
Regression	1	0.003389979	0.003389979	0.713123	0.3993	89066			
Residual	206	0.979265917	0.004753718						
Total	207	0.982655897							
	Coef icients	Standard Error	t Stat	P-value	Lower 95	5%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.013432629	0.004849303	-2.770012579	0.0061176	-0.0229	93256	-0.003872	-0.0229933	-0.003872
Mkt-RF	-0.007891747	0.009345259	-0.844465334	0.3993890	-0.0263	16362	0.01053287	-0.0263164	0.01053287

Thank You